

Classifying Organism's Type 3:

Directions: Please complete the following Type 3 on a separate sheet of Type 3 paper.

Objective: Students can identify and classify organisms into kingdoms based on characteristics that they share.

Purpose:

Part 1: When people are new to an area, they may not recognize the foods of that new place. It is your job to help someone identify a fruit or vegetable that is common to you, but new to them. You will do this by creating a taxonomic key of assorted fruit to help others identify them. Remember that this is something this person has never seen, so try to be accurate and specific.

For Part 1: Create a taxonomic key that could help identify a piece of fruit as an tomato, lettuce, onion, or green pepper.

Part 2: When biologists study organism's, they can learn much by just there scientific name alone. You have three organism's that you know the name of. If you were a biologist, and you came across these three organism's, how would you learn if they are closely related and how would you prove that you are correct in your classifying?

For Part 2: Which two of the following organisms are most closely related: *Entamoeba histolytica*, *Escherichia coli*, *Entamoeba coli*? Explain why you think so.

FCA's:

- 1) Create a taxonomic key using the appropriate format: 20 points
- 2) Completed Part 2 with a strong reason to warrant why they are related: 20 points
- 3) Type 3 format: 10 points